

BROMLEY, Mikhail Fedorovich, kand. tekhn.nauk., VESELKINA, A.A., red.,
SHADRINA, N.D., tekhn. red.,

[Principles of industrial ventilation] Kratkie osnovy promyshlennoi
ventiliatsii. [Moskva] Izd-vo TSsSPS Profizdat, 1958. 138 p.

(MIRA 11:12)

(Factories--Heating and ventilation)

BAKHAREV, Viktor Aleksandrovich; TROYANOVSKIY, Viktor Nikolayevich;
VESELKINA, A.A.; NOVOSPASSKIY, V.V.; RAKOV, S.I., tekhn.red.

[Principles of planning and designing heating and ventilating
installations with concentrated output of air] Osnovy pro-
yektirovaniya i rascheta otopeniya i ventilatsii s sosredo-
tochennym vypuskom vozdukh. Izd-vo VTsSPS Profizdat, 1958.
213 p. (MIRA 12:2)

(Heating) (Ventilation)

DVORNIKOV, I.S., spetsred.; VESELKINA, A.A., red.; GOLICHENKOVA, A.A., tekhn. red.

[Handbook for trade-union workers] Spravochnik profsoinznogo
rabotnika. [Moskva] Izd-vo VTaSPS Profizdat, 1958. 735 p.

(MIRA 11:12)

1. Vsesoyuznyy tsentral'nyy sovet professional'nykh soyuzov.
(Trade unions)

BELONOSOV, I.I.; BOBROVA, A.S.; KAS'YANENKO, G.P.; KOTIKOV, S.F.; KULINCHENKO, A.A.; SMIRNOVA, Yu.A. Prinimal uchastiye: MAKSAKOV, V.V., prof..
KABANOV, P.I., prof., glavnyy red.; ANTROPOV, N.P., dotsent, red.;
BAZAYEV, M.G., red.; VINOGRADOV, D.I., red.; VESELKINA, A.A., red.;
SHADRINA, N.D., tekhn.red.

[Guide] Putevoditel'. No.1. 1958. 367 p.

(MIRA 12:8)

1. Vsesoyuznyy tsentral'nyy sovet professional'nykh soyuzov. TSentral'-
nyy arkhiv. 2. Sotrudniki TSentral'nogo arkhiva Vsesoyuznogo tsentral'-
nogo soveta professional'nykh soyuzov (for Belonosov, Bobrova, Kas'ya-
nenko, Kotikov, Kulichenko, Smirnova).

(Trade unions)

VESELKINA, H. H.
DVORNIKOV, I.S., spetsredaktor; VESELKINA, A.A., redaktor; RAKOV, S.I.,
tekhnicheskii redaktor

[Manual for trade union workers] Spravochnik profsoiuznogo rabotnika.
[Moskva] Izd-vo VTsSPS Profizdat, 1957. 711 p. (MLRA 10:9)
(Trade unions--Handbooks, manuals, etc.)
(Labor and laboring classes--Handbooks, manuals, etc.)

VESELKINA, A.A.

DVORNIKOV, Ivan Semenovich; NIKITINSKIY, Vasil'y Ivanovich; VESELKINA, A.A.,
red.; RAKOV, S.I., tekhn.red.

[New procedure in the consideration of labor disputes] Novyi
poriadok rassmotreniia trudovykh sporov. Moskva, Izd-vo VTsSPS
Profizdat, 1957. 62 p. (MIRA 11:4)
(Labor disputes)

OSIPOVA, T.N.; PETROV, Ye.A.; FAHBEROVA, B.P.; KHRONCHENKO, V.T.; VESELKINA, A.A., red.; KIRSANOVA, N.A., tekhn.red.

[Museum of Industrial Safety of the All-Union Central Council of Trade Unions; a description of exhibits] Muzei okhrany truda VTsSPS; opisanie eksponatov. Izd-vo VTsSPS Profizdat, 1956.
229 p. (MIRA 12:3)

(Industrial safety) (Moscow--Industrial museums)

VESELKINA, A. A.

KRASNOVSKIY, Abram Adol'fovich; KARACHAROV, Trodily Sergeyevich; VESELKINA, A. A., red.; MALEK, Z. H., tekhn. red.

[Work hygiene in manufacturing repairing, and charging lead batteries] Gigiena truda pri proizvodstve, remonte i zariadke svintsovykh akkumulyatorov. [Moskva] Izd-vo VTsSPS Profizdat, 1957.
84 p. (MIRA 11:5)

(Storage batteries) (Industrial hygiene)

ZHELEZNOV, Boris Ivanov'ch; MARFENIN, Vasil'y Semenovich; VESSELKINA, A.A.,
red.; GOLICHENKOVA, A.A., tekhn. red.

[Labor protection; a collection of decrees and regulations] Okhrana
truda; sbornik postanovlenii i pravil. [Moskva] Izd-vo VTsSPS, 1958.
397 p. (MIRA 11:10)

1. Russia (1923- U.S.S.R.) laws, statutes, etc.
(Labor laws and legislation)

~~VESELKINA, A.A.~~
VOROB'YEV, Nikolay Ivanovich; VESELKINA, A.A., red.; GOLICHENKOVA, A.A.,
tekhn.red.

[Safety engineering in assembling installations] Tekhnika bezopasnosti
pri montazhe oborudovaniia. [Moskva] Izd-vo VTsSPS Profizdat, 1957.
135 p. (MIRA 11:2)

(Engineering--Safety measures)

VEDLAKIN
SHCHUPAKOV, Nikolay Nikolayevich; YAKOBSON, M.I., doktor med.nauk, Spets.
red.; VESELKINA, A.A., red.; GOLICHENKOVA, A.A., tekhn.red.

[Labor protection in caisson work] Okhrana druda pri kassonnykh
rabotakh. [Moskva] Izd-vo VTsSPS Profizdat, 1957. 150 p.
(Caissons) (Caisson-disease) (MIRA 11:7)

DVORNIKOV, I.S., spetsredaktor; VASHUKINA, A.A., redaktor; RAKOV, S.I.,
tekhnicheskii redaktor

[Handbook for trade-union workers] Spravochnik profsoiuznogo rabotnika.
[Moskva] Izd-vo VTsSPS Profizdat, 1956. 767 p. (MIRA 10:2)
(Trade unions)

VLASOV, Aleksandr Filippovich; VESHKINA, A.A., redaktor; KIRSANOVA, N.A.,
tekhnicheskiiy redaktor

[Principles of safety engineering] Osnovy tekhniki bezopasnosti.
[Moskva] Izd-vo VTsSPS Profizdat, 1956. 106 p. (MLBA 10:3)
(Accidents--Prevention)

VESELKINA, M.N.

Content of DNA in the cells of corneal epithelium in rats
following X-ray irradiation. *Biul. eksp. biol. i med.* 59
no. 5:96-99. '65. (MIRA 18:11)

1. Laboratoriya morfologii kletki (sav. - prof. L.N. Zhinkin)
Instituta tsitologii AN SSSR, Leningrad. Submitted February
22, 1964.

VESELKINA, M.N.

Synthesis of DNA and multiplication of corneal epithelial cells
after irradiation. TSitologiya 5 no.5:571-573 S-O '62.

(MIRA 18:5)

1. Laboratoriya morfologii kletki Instituta tsitologii AN SSSR,
Leningrad.

VESELKINA, R.V.

Seasonal phases of soil formation in the sheltozem zone of the
Azerbaijan S.S.R. Dokl.AN Azerb.SSR 17 no.7:607-612 '61.

(MIRA 14:10)

1. Institut pochvovedeniya i agrokhimii AN AzerSSR.
Predstavleno akademikom AN Azerbaydzhanskoy SSR V.R.Volobuyeym.
(Azerbaijan--Soils)

VERBILKINA, R.V.

Studying the effect of soil conditions on the available iron content
of soils as exemplified by soils in the Leninsk area. Pochvovedenie
no. 1964-70 Ag '65. (MIRA 1966)

1. Institut pochvovedeniya i agrokhimii AN SSSR, Pskov.

VESELKINA, R.V.

Dynamics of Water soluble substances in underground waters of the plain area of Lenkoran District. Dokl.AN Azerb.SSR 16 no.10:973-976 '60. (MIRA 14:1)

1. Institut pochvovedeniya i agrokhimii AN AzerbSSR. Predstavleno akademikom AN AzerbSSR V.R. Volobuyovym.
(Lenkoran District--Water, Underground)

VESELKINA, R. V.

Cand Biol Sci - (diss) "Dynamics of soil processes in the soils of the Lenkoran rayon of the Azerbaydzhan SSR." Baku, 1961. 17 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Rostov State Univ); 150 copies; price not given; (KL, 5-61 sup, 183)

VESELKINA, R.V.

Dynamics of the pH reaction in the Lenkoren zone of Azerbaijan.
Dokl. AN Azerb. SSR 19 no.6:53-57 '63 (MIRA 17:7)

1. Institut pochvovedeniya i agrokhimii AN AzSSR. Predstavleno
akademikom AN Azerbaydzhanskoy SSR V.R. Volobuyevym.

VESELKINA, R.V.

Dynamics of the pH reaction in the Lenkoran zone of Azerbaijan.
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1. Institut pochvovedeniya i agrokhimii AN AzSSR. Predstavleno
akademikom AN Azerbaydzhanskoy SSR V.R. Volobuyevym.

VESELKINA, R.V.

Dynamics of pH and mobile forms of iron and aluminum in soils
of Lenkoran District. Izv.AN Azerb.SSR.Ser.biol.1 sel'khoz.
nauk no.4:83-91 '59. (MIRA 12:12)
(Lenkoran District--Soil acidity)
(Mineral in soil)

VESELKINA, T. A. Cand Med Sci -- "Tuberculosis morbidity of medical workers
of antituberculosis institutions." Mos, 1961 (Acad Med Sci USSR). (KL, 4-61, 207)

-324-

VESELKINA, T.A.

Incidence of tuberculosis among medical workers in Moscow tuberculosis hospitals. Probl.tub. 37 no.7:13-19 '59. (MIRA 13:4)

1. O organizatsionno-metodicheskogo kabineta (zav. - kand.med.nauk I.D. Zaslavskiy) Moskovskoy gorodskoy tsentral'noy klinicheskoy tuberkuleznoy bol'nitsy (glavnyy vrach - sasluzhennyy deyatel' nauki prof. V.L. Myzis).

(TUBERCULOSIS statist.)

(OCCUPATIONAL DISEASES statist.)

VESELKINA, T.A.

Incidence of tuberculosis among medical workers of tuberculosis
dispensaries in Moscow [with summary in French]. Probl.tub. 36
no.5:8-13 '58 (MIRA 11:8)

1. Iz Moskovskoy gorodskoy tsentral'noy klinicheskoy tuberkuleznoy
bol'nitsy (glavnyy vrach - prof. V.L. Eymis, zav. orgmetodkabinetom-
kand.med.nauk I.D. Zaslavskiy).

(TUBERCULOSIS, epidemiology,

in med.workers. (Rus))

(OCCUPATIONAL DISEASES,

tuberc.in med.workers (Rus))

PROCESSING AND PROPERTY INDEX																									
1ST AND 2ND ORDER													3RD AND 4TH ORDER												
<p>The formation of hexose phosphate in diabetic muscle poisoned by iodoacetic acid. N. V. Venelin and V. M. Trakina. J. Physiol. (U. S. S. R.) 22, 301-4 (in German) 304 (1937).—The diabetic muscles of cats after poisoning with iodoacetic acid show a large increase in hexose phosphate after exercise, approximating that of normal muscle. This is attributed to the activation of traces of insulin by the free phosphoric acid formed. S. A. K.</p>																									
<p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

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Pantothenic acid and its role in the animal organism.
V. M. Vogelkina. *Uspekhi Sovremennoi Biol. (Advances
in Modern Biol.)* 28, 33-44(1947); *Chem. Zentr.* 1948, I,
189. -- A review with 60 references. M. G. Moore

VESELKIN, N. V. and VESELKINA, V. M.

"Effects of Denervation and Tenotomy on Muscular Ability of Phosphorylyzation."
Zef. Zhur., Vol 33, No 3, 1947, p 345. Physiology Inst imeni Academician I. P.
Pavlov, Acad Sci USSR.

SO: U-4396

VESELKINA, V. M.

"Panthotenic Acid and Its Role in Animal Organism" (p. 33) by Veselkina, V. M.

SO: Advances in Modern Biology, (Uspekhi Sovremennoi Biologii), Vol. XLIV, No. 1,
1947 (July-August)

1ST AND 3RD PAGES										2ND AND 4TH PAGES									
PROCESSING AND PREPARATION INDEX																			
<div style="border: 1px solid black; padding: 5px;"> <div style="float: left; width: 15%;">Ca</div> <div style="float: right; width: 15%;">11A</div> <div style="clear: both;"></div> <p>Effect of chronic fluoride poisoning on blood calcium in relative parotid-gland insufficiency. V. M. Veselkin. <i>Farmakol. i. Toksikol.</i> 3, No. 5, 56-60(1947).—In normal rabbits a low-Ca diet does not lower the blood-Ca level, but in rabbits with chronic NaF poisoning a low-Ca diet distinctly decreases blood Ca.</p> <p style="text-align: right;">Julian F. Smith</p> </div>																			
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Effect of denervation and tenotomy on phosphorylating capacity of muscle. N. V. Veselkin and V. M. Veselkina. *Tr. Zhur. S.S.S.R.* 33, 345 0 (1947). The gastrocnemius muscle of the cat was denervated by section of the sciatic nerve or was rendered toneless by section of the Achilles tendon. At intervals of one week, the phosphorylating capacity was detd. by incubating the muscle in the presence of glycogen and detg. the decrease in free PO_4 . In the denervated muscle, there was a small decrease in phosphorylating capacity after one week, and after 2 weeks a marked decrease (sometimes 50% or more). In the muscle after tenotomy, there was also a decrease in phosphorylating capacity, but much less than in the denervated muscle. B. A.

VESELKOV, A.V.

Readers' conference. Put' i put.khoz. 6 no.5:33 '62. (MIRA 15:4)

1. Sekretar' partorganizatsii Nadezhdinsk-Sortirovochnoy
distanttsii Sverdlovskoy dorogi.
(Railroads--Periodicals)

L 45869-66

ACC NR: AP6022409

(H)

SOURCE CODE: UR/0317/66/000/002/0054/0056

AUTHOR: Bolotin, S. (Engineer; Lieutenant commander); Veselkov, A.

ORG: None

TITLE: Repair by the crew's hands

SOURCE: Tekhnika i vooruzheniye, no. 2, 1966, 54-56

TOPIC TAGS: marine engineering, marine equipment, ~~naval force organization~~

ABSTRACT: The activities taken by the crew of a ship with respect to the repair and maintenance of engineering equipment during a long navigation in open sea are described and highly praised. The vessel in question was under the command of Lieutenant Commander P. Shmyrev. A high care of engines and compressors to keep them in operating condition was continuously applied by the crew. A mixture of epoxy resin with cast iron chips was successfully used for stopping up holes in corroded surfaces of water pumps. The experience of skilled crew members for determining, from outside, the causes of malfunctioning mechanisms was widely used on the vessel in order to avoid as much as possible the unnecessary dismantling of equipment. Only prescribed and well purified oils and greases were used for lubrication. Boilers and engines were regularly cleaned and anticorrosive agents were applied. The crew was well trained for execution of repairs and reworking of constituent parts and materials. Members of the crew were encouraged to enroll in corresponding schools for studies of engineering subjects.

SUB CODE: 13/ SUBM DATE: None

Card 1/10 *LR*

VESELKOV, F.

"Financing and issuing credit for capital investments" by V. Buzyrev.
Reviewed by F. Veselkov. Fin. SSSR 19 no.8:88-92 Ag '58.(MIRA 11:9)
(Capital investments)
(Buzyrev, V.)

VESELKOV, F.

Material incentives for fulfilling planned high quotas.
Vop. ekon. no.10:3-15 0 '62. (MIRA 15:11)
(Industrial management) (Incentives in industry)

ANISIMOV, G.; VESELKOV, F.; SOKOLOVSKIY, A.

Summing up the results of an economic discussion. Vop.
ekon. no.2:144-149 F '64. (MIRA 17:3)

25(5)

PHASE I BOOK EXPLOITATION

SOV/2581

Veselkov, F. S., Yu. A. Gaydukov, S. Ya. Kamenitser, [Chief], V. G. Kontorovich, G. A. Pishchulin, A.M. Savkin, A.S. Tolstykh, and A.S. Pastovskiy

Ravnomernaya rabota mashinostroitel'nykh zavodov (Uniform Work of Machine-Manufacturing Plants) Moscow, Mashgiz, 1958. 171 p. Errata slip inserted. 4,000 copies printed.

Reviewer: A. K. Bondarenko, Engineer; Ed.: V. A. Letenko, Candidate of Economic Sciences; Tech. Ed.: V. D. El'kind; Managing Ed. for Literature on the Economics and Organization of Production (Mashgiz): T. D. Saksaganskiy.

PURPOSE: This book is intended for engineering and technical personnel in machine-manufacturing plants

COVERAGE: This book discusses the national economic importance of uniform operation of plants according to a schedule, and points out planning problems that should be solved to permit work uniformity in manufacturing establishments. It defines organizational and technical prerequisites for uniform work, shows the in-

Card 1/5

Uniform Work of Machine (Cont.)

SOV/2581

fluence of financial agencies of establishments on production uniformity, and describes methods of measuring work uniformity. The last two chapters are devoted to work practices at the Moscow "Elektroschetchik" Plant and the Pervyy Moskovskiy chasovoy Zavod (First Moscow Watch and Clock Plant). No personalities are mentioned. There are no references.

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Uniform Work of Machine (Cont.)

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AVAILABLE: Library of Congress

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11-6-59

KAMENITSER, S.Ye.; VESELKOV, F.S.; GAYDUKOV, Yu.A.; KONTOROVICH, V.G.;
PISHCHULIN, G.A.; SAVKIN, A.M.; TOLSTYKH, A.S.; PASTOVSKIY, A.S.;
BONDARENKO, A.K., inzh., retsenzent; LETENKO, V.A., kand.ekon.
nauk, red.; EL'KIND, V.D., tekhn.red.

[Even work flow in machinery plants] Ravnomernaya rabota mashino-
stroitel'nykh zavodov. Pod rukovodstvom S.E.Kamenitsera. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1958. 171 p.
(Machinery industry) (MIRA 12:4)

KAMENITSER, S.Ye.; VESELKOV, F.S.; GAYDUKOV, Yu.A.; KONTOROVICH, V.G.;
PISHCHULIN, G.A.; SAVKIN, A.M.; TOLSTYKH, A.S.; PASTOVSKIY,
A.S.; BONDARENKO, A.K., inzn., retsenzent; LETENKO, V.A.,
kand.ekonom.nauk, red.; EL'KIND, V.D., tekhn.red.

[Uniform rate of production in the machinery industry] Ravnomenaia rabota mashinostroitel'nykh zavodov. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1958. 171 p.
(MIRA 12:7)

(Machinery industry)

VESELKOV, Y.S., kand. ekon. nauk

Role and tasks of finances in the development of rhythmical
production flow in enterprises. Trudy LIMI no.22:135-143 '58.
(MIRA 11:12)

1. Moskovskiy ekonomicheskii institut.
(Industrial management)

VESELKOV, F. S.

KLIMOV, A. N.
85(5)

PHASE I BOOK EXPLOITATION 807/1998

Leningrad. Inzhenerno-ekonomicheskii institut

Organizatsiya i planirovaniye ravnomernoy raboty mashinostroitel'skikh predpriyatiy; Mashinostroyeniye sovetskoy daniye. Doklady (Organisation and Planning of Uniform Work in Machine-building Enterprises); Conference of Vses. Razgovor Moscow, Mashgiz, 1958. 48 (Series: Trudy, vyp. 22) 4,000 copies printed.

Eds.: S. A. Volkov, and L. G. Daryusov.; Tech. Ed.: L. V. Sokolova; Managing Ed. for Literature on Machine-Building Technology (Mashgiz): Ye. P. Kuznetsov, Engineer.

PURPOSE: This collection of articles is intended for engineering and technical personnel in machine-building establishments, and for scientific workers and students of institutes and departments of engineering and economics.

COVERAGE: This collection of articles contains reports by workers from vases, scientific research institutes, and industrial establishments presented at the conference of vases on the subject: "Organization and Planning of Uniform Operations in Machine-building Establishments." These reports discuss general problems encountered in organization, analysis, and theory of uniform production, as well as problems in schedule planning, technical preparation, and production specialization.

Card 1/8

Veselkov, F. S., Candidate of Economic Sciences (Inzhenerno-ekonomicheskii institut [Moscow Economic Institute]). Role and Objective of Finances in the Struggle for Rhythmic Operation of Establishments

133

VESELKOV, F.S.dots., red.; POLYAKOV, P.G., dots., red.; BRAZOVSKIY,
T.I., dots., red.; KONDRAT'YEVA, A., red.; LEBEDEV, A.,
tekhn. red.

[Financial practice in industry; from the work practice of
enterprises and regional economic councils] Finansovaya ra-
bota v promyshlennosti; iz opyta raboty predpriyatii i sov-
narkhozov. Moskva, Gosfinizdat, 1962. 166 p. (MIRA 15:9)

1. Kafedra finansov Moskovskogo instituta narodnogo khozyay-
stva im. G.V.Plekhanova (for Veselkov, Polyakov, Brazovskiy).
(Finance)

BIRMAN, A.M., doktor ekonom.nauk; BRAZOVSKAYA, T.I.; BELOUSOVICH, S.N.;
VESELYKOV, F.S.; KATSENELENBAUM, Z.S.; IVLIYEV, I.V.; SEMENOV, I.Ya.;
YAKOVLEV, M.S.; LAIKHTMAN, R.I.; GOFMAN, G.A.; SHUMOV, H.S.;
VINOKUR, R.D., dotsent; TATSIY, G.M., red.; KONDRAT'YEVA, A., red.;
TELEGINA, T., tekhn.red.

[Finances of enterprises and branches of the national economy]
Finansy predpriyatii i otraslei narodnogo khoziaistva. Aytorskii
kollektiv pod rukovodstvom A.M.Birmana. Moskva, Gosfinizdat, 1960.
576 p. (MIRA 14:3)

1. Moskovskiy finansovyy institut (for Vinokur).
(Finance)

VESELKOV, G.I.

Automatic stabilization of the angle of rotation of a
polarization plane in a circular. Izv. vys. ucheb. zav.,
radiotekh. 8 no.3:376-378 My-Je '65.

(MIRA 18:9)

TITLE: Self-stabilization of the scale of the

gram of the manipulator is shown in Fig. 1 of Enclosure. The device is tuned so that
at 9850 Hz the current flowing through the first coil together with

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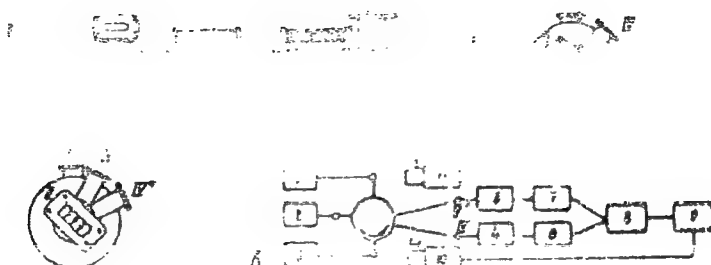


Fig. 1. Block diagram of the circulator

VESELKOV, G.P.

Experimental study of the frequency dependance of a circulator
magnetizing current. Izv. vys. ucheb. zav.; radiotekh. 7 no.2:
241-243 Mr-Apr '64. (MIRA 17:8)

29629

S/142/61/004/003/011/016

E192/E382

9.1800

AUTHORS: Veselkov, G.P. and Nefedov, Ye.I.

TITLE: Calculation of the matching coatings for dielectric lens antennae

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 4, no. 3, 1961, pp. 337 - 340

TEXT: The problem of reducing the reflection of electromagnetic waves during their incidence at the boundary of two media is of considerable practical importance and has been studied by a number of authors (Ref. 1 - E.M. Jones, S.B. Cohn - J. Appl. Phys., 1955, 26, no. 4, 452; Ref. 2 - Ph. Klass - Voprosy radiolokatsionnoy tekhniki, 1958, no. 2, 44, 181; Ref. 3 - A.F. Harvey - PIRE, 1959, B 106, No. 26, 141; Ref. 4 - R.L. Smedes - IRE Convent. Rec., 1956, 4, No. 1, 208; Ref. 5 - T.B.A. Senior - Electronic and Radio Eng., 1958, 35, No. 4, 135). In particular, it is important to widen the frequency range and the range of the incidence angles at which the reflection coefficient does not exceed a

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E192/E382

Calculation of

predetermined value. This problem occurs in wide-band matching of dielectric lens antennae. One of the methods of achieving the required matching is based on the use of quarter-wave dielectric coatings deposited on the system. At a single wavelength it is possible to eliminate the reflection entirely by means of such a coating but this becomes impossible over a finite frequency range. In this case, it is necessary to employ several dielectric layers. In the following a method of design of such a multilayer coating is proposed. The method is based on the concept of the characteristic impedance of a medium (Ref. 6 - L.M. Brekhovskikh - Waves in laminary media, Pub. AN SSSR, 1957) and this results in the possibility of employing the results of the analogous problem of mathcing two transmission lines by means of wide-band transformers. The method is based on the use of the Chebyshev polynomial and is employed to design a two-layer coating such as shown in Fig. 1. In this case, there exist three local reflection coefficients and these should be proportional to the numbers:

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1; $2(1 - 1/t^2)$; 1. These are obtained by comparing the expression for the input reflection coefficient with the Chebyshev polynomial of the second degree:

$$T_2(y) = 2y^2 - 1$$

where $y = tx$,

$x = \cos 2\pi d_1/\lambda_1$, where d_1 is the thickness of the layer,

λ_1 is the wavelength in the small i-th layer and

t is a multiplier which can be determined from:

$$t = - \frac{1}{\cos \frac{\pi q}{1+q}} \quad (1)$$

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Calculation of

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where $q = \lambda_{\max}/\lambda_{\min}$, which is the coverage coefficient.

By considering the local reflection coefficients of the coating, it is shown that the unknown refraction coefficients are given by

$$\begin{aligned} n_1 &= n_0 \frac{3r^2 - 2}{4r^2 - 2} & n_2 &= n_0 \frac{r^2}{4r^2 - 2} \\ n_3 &= n_0 \frac{r^2}{4r^2 - 2} & n_4 &= n_0 \frac{3r^2 - 2}{4r^2 - 2} \end{aligned} \quad (4) \quad \checkmark$$

Now, the overall reflection coefficient of the system with the two quarter-wave layers is expressed by:

$$|r| = \left| \frac{[n_1 \cdot n_2 (1 - n_3) - (n_2^2 - n_1^2 \cdot n_3) \operatorname{tg}^2 \varphi] - [n_1 \cdot n_2 (1 + n_3) - (n_2^2 + n_1^2 \cdot n_3) \operatorname{tg}^2 \varphi] - i [n_1 (n_2 - n_3^2) + n_2 (n_3 - n_1^2) \operatorname{tg} \varphi]}{[n_1 \cdot n_2 (1 - n_3) - (n_2^2 - n_1^2 \cdot n_3) \operatorname{tg}^2 \varphi] - [n_1 \cdot n_2 (1 + n_3) - (n_2^2 + n_1^2 \cdot n_3) \operatorname{tg}^2 \varphi] - i [n_1 (n_2 + n_3^2) + n_2 (n_3 + n_1^2) \operatorname{tg} \varphi]} \right| \quad (5)$$

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where $n_0 = 1$ and $\varphi = \pi \lambda_{cp} / 2\lambda$. In the explicit form,
Eq. (5) can be written as:

$$|\Gamma| = \frac{1}{2} \ln \frac{n_3}{n_0} \cdot \frac{2t^2 \cos^2 \left(\frac{\pi}{2} \frac{\lambda_{cp}}{\lambda} \right) - 1}{2t^2 - 1} \quad (8)$$

where:

$$\lambda_{cp} = \frac{2\lambda_{min} \cdot \lambda_{max}}{\lambda_{min} + \lambda_{max}}$$

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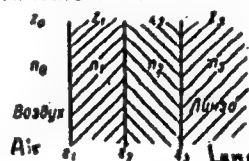
Calculation of

The calculations by employing the above formulae show that in comparison with a non-coated dielectric surface, a single-layer coating gives a gain of 2.3, a double-layer binomial coating produces a gain of 4.5 and a double-layer Chebyshev coating yields a gain of 9 ; the gain is defined as a ratio of the reflection coefficient of a non-coated surface to a maximum reflection coefficient for a given coating system. There are 2 figures and 9 references: 4 Soviet-bloc and 5 non-Soviet-bloc.

ASSOCIATION: Kafedra radioperedayushchikh ustroystv
Taganrofskogo radiotekhnicheskogo instituta
(Chair of Radio-transmitting Equipment of
Taganrog Radio-engineering Institute)

SUBMITTED: June 3, 1960

Fig. 1:



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L 18010-63

ACCESSION NR: AP3003401

S/0142/63/006/003/0316/0319

AUTHOR: Veselkov, G. P.

TITLE: Optimality of Tchebycheff's step transformers.

SOURCE: IVUZ. Radiotekhnika, v. 6, no. 3, 1963, 316-319

TOPIC TAGS: Tchebycheff transformer

ABSTRACT: The problem of whether different lengths of steps in a Tchebycheff's matching transformer would reduce reflections within the working frequency band is considered. A coaxial two-step Tchebycheff's transformer is analyzed mathematically. The two-term formula for the input reflection factor is investigated for the case of unequal lengths of the two line sections. The theory was verified on a waveguide with a short-circuiting plunger. Conclusion: The Tchebycheff's step transformer with quarter-wave-long steps is an optimum matching device. Orig. art. has: 3 figures and 5 formulas.

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L 18010-63

ACCESSION NR: AP3003401

ASSOCIATION: Kafedra radiopere dayushchikh ustroystv Taganrogskogo radiotekhnicheskogo instituta (Department of Radio-transmitting Devices, Taganrog Radiotechnical Institute)

SUBMITTED: 03Sep62

DATE ACQ: 02Aug63

ENCL: 00

SUB CODE: CO, GE

NO REF SOV: 005

OTHER: 000

Card 2/2

L 16184-63 EWT(1)/FCS(k)/BWS/EEC-2/EED-2 ASD/ESD-3/APGC P1-4/PJ-4/P1-4 WR

ACCESSION NR: AR3005173

S/0058/63/000/006/HK23/EC23

SOURCE: RZh. Fizika, Abs. 6 Zh143

73

AUTHORS: Veselkov, G. P.; Nefedov, Ye. I.

TITLE: Experimental investigation of two-layer matching coating for a dielectric lens antenna 25B

CITED SOURCE: Vopr. elektroniki i elektrodinamiki sverkhvysokichkh chastot. Taganrog, 1962, 115-118

TOPIC TAGS: dielectric lens, antenna, dielectric coating, double layer

TRANSLATION: Results are reported of an experimental investigation of coatings for lens antennas with Chebyshev characteristic of variation of the refractive index. In particular, in the case of a two-layer coating, the refractive indices of the layers were chosen equal to 1.14 and 1.404. It is noted that the deposition of the coating reduces the reflections in the channel to almost one-half, while the directivity pattern of the lens remains practically unchanged. The question is discussed of the influence of inaccuracies in the refractive indices and in the thickness of the layers on the characteristics of the antenna.

Card 1/2, B. Panchenko

VESELKOV, I.A.

Stabilization of the current phase in a transmitter antenna by means of reactive high frequency feedback. Izv. TPI 100: 180-185 '62.

Stability of the antenna-transmitter system covered by the reactive feedback. Ibid.:186-189

Stabilization of the current phase in the antenna of a long wave transmitter by means of complex high frequency feedback. (MIRA 18:9)
Ibid.:190-197

Abstract

TOPIC: Physical interpretation of the process of stabilization of the current

TOPIC TAGS: antenna, rect, transmitter

TRANSLATION: The process of stabilization of the current phase in a long-wave-
transmission antenna is considered. A vector diagram is constructed. The case

phase. Three illustrations. Bibliography. 2 references.

SUB CODE: EC

ENCL: 00

Card 1/1 CC

ACCESSION NR: AR4032183

S/0058/64/000/002/H025/H025

SOURCE: Ref. zh. Fiz., Abs. 2Zh152

AUTHORS: Veselkov, I. A.; Grishko, V. N.

TITLE: Physical interpretation of the process of stabilization of antenna current with the aid of complex feedback

CITED SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn., v. 1, 1963, 24-26

TOPIC TAGS: antenna current stabilization, antenna current phase stabilization, complex feedback stabilization, overdriven transmitter, transient performance

TRANSLATION: A geometrical interpretation is considered for transmitter antenna current phase stabilization with the aid of complex feedback. The analysis is made with the aid of vector diagrams. It is

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ACCESSION NR: AR4032183

assumed that the output stage of the transmitter, in which the main voltage and the feedback voltage are summed, operates in the over-voltage mode. This makes it possible to regard the feedback-voltage vector and the operating conditions of the final stage as remaining constant during the transient. It is shown that antenna current phase stabilization with the aid of complex feedback is based on controlling the phase of the input voltage, which, in turn, establishes the phase of the antenna current. V. Medvedev.

DATE ACQ: 31Mar64

SUB CODE: GE, SD

ENCL: 00

Card 2/2

VESELOV, K.Ye.; PANTELEYEV, V.I.

Effect of disturbing accelerations on gravity measurements made
with static gravimeter at sea. Prikl.geofiz. no.20:86-100 '58.
(MIRA 11:11)

(Gravity)

VESELKOV, M.N.

Improved gearbox. Mashinostroitel' no.8:38 Ag '61. (MIRA 14:7)
(Gearing)

VESELKOV, M.N.

Modernizing the LT-2-type faceplate lathe. Stan. 1 instr. 30 no.1:
38 Ja '59. (MIRA 12:1)

(lathes)

VESELKOV, M.N.

Modernizing the gear-milling machine. Mashinostroitel' no.12:17
D '61. (MIRA 14:12)

(Gear-cutting machines)

137 AND 139 CODES										140 AND 174 CODES									
PROCESS AND PROPERTIES INDEX																			
<p>NEW DEVELOPMENTS IN THE DESIGN OF OPEN-HEARTH FURNACES. (7)</p> <p>N. Veselkov and G. Cherepakhin. (Stal, 1939, No. 4-5, pp. 21-24). (In Russian). The authors discuss slag removers and suspended furnace roofs. In the case of the former, recent American designs in which liquid slag is continuously drained off are referred to. The authors suggest a similar design in which the liquid slag is drained off into a slag pocket provided with double walls and bottom separated by a layer of sand. This enables the solidified slag to be removed easily. In connection with roofs, the authors outline a special design of suspended roof constructed with Dinas bricks. When first fitted into position provision is made for the expansion of the roof. It is also possible to renew large portions of the roof using bricks impregnated with pitch or soaked in greasote.</p>																			
<p>510.11A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>137 AND 139 CODES</p>										<p>140 AND 174 CODES</p>									

VESELKOV, N.G., inzh.

Performance indices of open-hearth furnaces. Stal' 21
no.8:689-695 Ag '61. (MIRA 14:9)
(Open-hearth furnaces)

KAPLAN, Veniamin Grigor'yevich; TAYTS, N.Yu., prof., doktor tekhn. nauk, retsenzent; POLETAYEV, L.B., kand. tekhn. nauk, retsenzent; ROZEN-GART, Yu.B., kand. tekhn. nauk, retsenzent; VESELOV, H.G., red.; LANOVSKAYA, M.R., red. izd-va; MINHA LOVA, V.V., tekhn. red.

[Adjustment and operation of metal heating furnaces] Naladka i ekspluatatsiya pechei dlia nagreva metalla. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 352 p. (MIRA 14:9)

(Furnaces, Heating)

TRUBIN, Konstantin Georgiyevich; OYKS, Grigoriy Naumovich, prof., doktor
tekh. nauk; CHERNENKO, Mikhail Avksent'yevich; LUR'YE, Il'ya
Naumovich; TRUEBTSKOV, Mikhail Mikhaylovich [deceased]; VESELKOV,
N.G., red.; VAGIN, A.A., red. izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Metallurgy of steel: the open-hearth process; design and equipment
of open-hearth furnaces and plants] Metallurgiya stali: martenovskii
protsess; konstruktii i oborudovanie martenovskikh pechei i tsekhov.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi me-
tallurgii, 1961. 448 p. (MIRA 14:8)

(Open-hearth furnaces—Design and construction)

NITSKEVICH, Ye.A., dots.; KIREVSKIY, G.N., inzh., nauchnyy red.;
FRIDMAN, I.M., inzh., nauchnyy red.; SAZANOV, B.V., dots.,
nauchnyy red.; YUSHKOV, S.B., inzh., nauchnyy red.;
FILIP'YEV, O.V., kand. tekhn. nauk, nauchnyy red.; VESELKOV,
N.G., inzh., nauchnyy red.; TAERNAVSKIY, I.L., inzh., nauchnyy
red.; IVANOVA, A.N., inzh., red.; ZABAZLAYEVA, E.I., red.;
LANOVSKAYA, M.R., red. izd-va; DOBUZHINSKAYA, L.V., tekhn.red.

[Heat engineering] Teploenergetika [By] E.A. Nitskevich. Pod red.
A.N. Ivanova. Moskva, Metallurgizdat, 1962. 348 p.

(MIRA 16:2)

1. Moscow. TSentral'nyy institut informatsii chernoy metallurgii.
(Metallurgical furnaces) (Power engineering)

VESELKOV, N.G.

Increasing the production of steel in open-hearth furnaces; on the
results of the discussion of A.N. Morozov's article. Stal' 24
no.6:514-519 Je '64. (MIRA 17:9)

SAMARIN, A.M.; YEFIMOV, L.M.; YESHIKOV, N.G.; ORMAN, R.Z.; SHABANOV, A.N.;
MOROZOVSKIY, L.I.; GRANAT, I.Ya.; TOCHINSKIY, A.S.; ALYAVDIN, V.A.;
DANILOV, P.M.; PETRIKEYEV, V.I.; POPOV, B.N.; BOBKOV, T.M.;
ROSTKOVSKIY, S.Ye.; GAVRISH, D.I.; D'YAKONOV, N.S.; TIMOSHPOLOVSKIY,
M.N.; ROMANOV, V.D.; POCHTMAN, A.M.; MELESHKO, A.M.; PODGORETSKIY,
A.A.; OFENGENDEN, A.M.; BRONSHTEYN, V.M.; FRIDANTSEV, M.V.; LIVSHITS,
G.L.; ROZHKOV, V.A.; RUTES, V.S.

Reports (brief annotations). Biul. TSNIICM no.18/19:15-16 '57.
(MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Samarin). 2. Tsentral'nyy
nauchno-issledovatel'skiy institut chernoy metallurgii (for Rutes,
Rostkovskiy, Fridantsev, Livshits, Rozhkov). 3. Stal'proyekt (for
Shabanov). 4. Kuznetskiy metallurgicheskiy kombinat (for Alvaydin,
Danilov, Petrikeyev). 5. Zavod "Elektrostal'" (for Popov).
6. "Dneprospetsstal'" (for Bobkov). 7. Glavogneupor Ministerstva
chernoy metallurgii SSSR (for Gavrish). 8. Planovoye upravleniye
Ministerstva chernoy metallurgii SSSR (for D'yakonov). 9. Otdel
rabochikh kadrov, truda i zarplaty Ministerstva chernoy metal-
lurgii SSSR (for Timoshpol'skiy). 10. Glavvtorchernet Ministerstva
chernoy metallurgii SSSR (for Romanov). 11. Giprostal' (for
Pochtman). 12. Zavod im. Voroshilova (for Meleshko). 13. Zavod
"Zaporozhstal'" (for Podgoretakiy). 14. Stalinskiy metallurgicheskiy
zavod (for Ofengenden). 15. Nizhne-Tagil'skiy metallurgicheskiy
kombinat (for Bronshteyn).

(Steel—Metallurgy)

VESELKOV, N. G.

VESELKOV N. G.

LEONDOV, N. K.

87(5)

ISSUE 1 MORE INFORMATION 807/1977

Abstracts from 808. Earliest meeting 1 technicality International

Metallurgy 808, 1977-1977, 1. Metallurgy of the USSR, 1977, Vol. 1)

Metallurgy, 1978, 745 p. 3,000 copies printed.

Ed. (Middle page) Z. P. Burdits, (American) Ed. (Outside book) G. V. Popov

Pub. M. I. G. Miller.

Program: The book is intended for scientific workers and engineers in metal-

urgical plants and in the machine-building industry. It may also be used

by students in advanced courses in metallurgical works.

Comments: This collection of articles covers extensively practical and theoretical

aspects of the Soviet metallurgy during the last 40 years. The material

deals with the discovery and development of the major ore deposits and the

growth of the metal industry in various parts of European and Asian USSR. In-

search institutions, laboratories, their location, and the names of the scientists

and engineers involved are listed. Many papers contain new data on the

names of various personalities that it was considered beyond the scope of the

coverage of each article to list these. The authors claim that the processes,

methods and theories described in this book reflect the most recent developments

in Soviet metallurgy.

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Metallurgy of the USSR (Cont.)

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Metallurgy of the USSR (Cont.)

Metallurgy of the USSR (Cont.)

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Metallurgy of the USSR (Cont.)

137-58-6-11666

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 63 (USSR)

AUTHOR: Veselkov, N.G.

TITLE: The Current Status of the Steelmaking Industry Abroad (Sovremennoye sostoyaniye staleplavil'nogo proizvodstva za rubezhom)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 58-78

ABSTRACT: Stationary open-hearth furnaces with conventional silica-brick roofs, operating on the scrap-and-ore process with heavy oil and cold high-heating-value carburized gas, are the type in widest use in the West. The mean heat input of 200-t open-hearth furnaces in the USA and Britain, with conventional silica-brick roofs, is 15-19 million kcal/hr. A number of plants employ prior desiliconizing of steelmaking pig in the ladle by top-blowing of O₂. This increases the capacity of open-hearth furnaces by as much as 50%. Also employed is the smelting of pig iron in cupolas for the scrap processes. Employment of O₂ to intensify the process of combustion in open-hearth furnace is becoming more and more limited in use. The service life of basic buckstay and tie-rod construction furnace roofs is

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The Current Status of the Steelmaking Industry Abroad

400-600 heats, while conventional silica-brick roofs of the same structural design last for 150-400 heats, depending upon the capacity of the furnace. "Zebra"-type roofs of alternating silica and magnesite-chromite bricks are widespread. The width of the doors has been increased to speed charging, in some cases to the point of complete elimination of piers in the front wall. Blowing of the checkers with steam or compressed air, or washing with water at 100-160 atm gage pressure is widely practiced. The service life of checkers is 2000-4000 heats, the upper courses being replaced at intervals of ~500 heats. New open-hearth shops are characterized by replacement of mixers by mixer-type ladles of increased capacity, a significant increase in the dimensions of the charging side and the pouring side, widespread employment of automatic loaders and various types of special self-propelled machines for repair, auxiliary, and cleaning-up operations, and provision of separate flow of scrap and of free-flowing materials. The latter are stored in heated, suspended metering hoppers. The LD process of top-blowing of pig iron with O_2 is the oxygen process in widest use. O_2 consumption is 55-60 m^3/t at 4-12 atm gage pressure, with 90% yield of molten steel. Enrichment of the blast with 25-40% O_2 in bottom blow of phosphorus pig iron and control of the rate of decarburization by addition of scrap or ore is also employed, as is mixed O_2/CO_2 and bottom steam-and-oxygen blast, and

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The Current Status of the Steelmaking Industry Abroad

also blow in a rotary converter tilted at an angle of 15-20° (the Kaldo process). In West Germany there has been developed a method of O₂ pig iron blast in a rotating tubular furnace (the rotary process). In electric furnaces, the dominant size is under 20 t, the maximum being 180 t (USA). According to American data, the smelting of common steels in 100-150 t electric arc furnaces is cheaper than the scrap process in open hearths.

A.D.

1. Steel--Production
2. Steel industry--Gt. Brit.

Card 3/3

AUTHOR VESELKOV N.G., Chief Engineer of the Steel Project PA - 3062
TITLE Steel Production in England.
 (Proizvodstvo stali v Anglii.- Russian)
PERIODICAL Metallurg 1957, Vol 2, Nr 4, pp 44 - 48 (USSR)
 Received: 5/1957 Reviewed: 7/1957
ABSTRACT In 1955, England produced 20,000,000 tons of steel, of which 87.3 % were SM steel, 5.5 % El steel, and 6.4 % converter steel. Most of this steel was produced in southwestern and southern England where the plants of the biggest companies are located. They are specialized in the production of light-gauge sheets and of thin-gauge sheets. At the northeastern shore of England approximately 4,000,000 tons of steel are produced; the most modern plant of this area is located at Lackenby, namely the plant of Dorman Long Co. which produces mainly profiles of structural steel. The next large steel-producing area is situated around Sheffield (2,600,000 tons annually). Scotland produces 2,300,000 tons annually. Here the Kollwills plant specializes in shipbuilding plates. Thomas steel is produced mainly by Stuarts and Lloyds Co. in Korby (Central England). The availability of phosphoric ores and the lack of oil have influenced the method of melting steel: active mixers, Talbot

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method, and Thomas method are predominant SM furnaces are usually heated with generator gas. Many metallurgical plants have been enlarged, particularly in those areas which process imported steels.

Different kinds of working methods: Scrap-ore method:

New SM plants in Abbey and Shotton work with this method, and smelt soft boiling steel for cupped sheets and thin-gauge sheets. This method roughly corresponds to the scrap-ore method with active mixer used in the Soviet Union; it is used in processing pig iron from local ore with increased phosphorus content, and this with active mixer or in the Thomas method. At Dorman Long Co. and Kollwils there exist mixers with a capacity up to 600 tons, in which the silicon content is reduced from 0.9-1.2 % to 0.2 - 0.5 %. The content of other elements remains virtually unchanged. The steel is used for structural profiles and for shipbuilding plates. Dorman Long Co. uses special single-leg construction gantry cranes for casting, on which 120 t ladles with two packing rods are set up. These cranes have greatly complicated the work in the casting house. At pig-iron tapping in the direction of the furnace hall (Kollwils) the work of the charging machines is complicated. These shortcomings show the inefficiency of active mixers,

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particularly in SM metallurgical plants of high performance. It is possible to reduce the silicon content also by previous blow of the pig iron by oxygen in the ladles. Experiments show satisfactory results. In order to eliminate foam and to reduce melting loss, water vapor was added to the oxygen. Some English plants use from time to time the 'pre-refining' with oxygen in ladles, and this method, by reducing silicon, reduces slags and improves the performance also in normal pig iron without phosphorus. The paper under review contains the proposal to carry out these experiments in the plants 'Azovstal', 'NTMZ' and 'Zaporozhstal' in the Soviet Union. The tiltable SM furnaces usually are operated with full tapping of the smelt (total discharge from the furnace). Talbot method is not used, in England.

Thomas method: tube steel and soft boiling steel is melted here for light-gauge sheets, as well as dynamo steel with a silicon content of 0.3 - 2.5 %. Because of increased sulphur content, desulphurization with soda is performed in the Korby plant. Ferromanganese is charged into the converter after previous

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heating. At the Abbey Steel Co. a converter plant was designed by 'Demag' and now is being built. The method used there is very promising. A disadvantage is the small capacity of the existing converters as compared to the capacity of the SM furnaces; therefore the lower performance of the converter plants under construction.

Electric-furnace steel: Alloyed steel is melted in a series of metallurgical plants. The greatest interest is commanded by Samuel Fox Co. in Sheffield with an electric-arc furnace of 80 tons (designed by Birlek Co.). Here electromagnetic stirring is used without impairing the durability of the furnace hearth. The vault withstands 140 smelts which last, in the average, seven hours each for stainless and alloyed steels. Ingots of 2.5 tons are cast. The method of casting permits to avoid too great reductions in temperature and shortens the duration of casting.

Fuel: In spite of the absence of oil in England, fuel-oil heating and heating with cold coke gas in the SM furnaces (particularly in those which have been recently built) is frequently used. A start is made also in older furnaces to substitute the hot generator gas by fuel oil. It was not possible by increasing gas pressure and gas amount to reduce the con-

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sumption of fuel oil, because the flame in the furnace becomes too short.

Characteristics of the SM metallurgical plants and furnace:
The paper under review contains a chart listing the basic dimensions and also (in parentheses) the values common in the Soviet Union.

SM-furnace construction: Dinas vaults are used. Only in exceptional cases 'zebra' vaults are used along the front and back walls. Front walls (vertical channels, vaults above) are made of chromium-magnesite bricks. Particular features: Furnace ports with one instead of two channels at heating furnaces. New furnaces of 230-240 tons are being built with one-chamber regenerators (oil fueling), with flat suspended vaults at regenerative chambers and slag pockets as well as with flat suspended arched walls of the vertical channels. At Abbew Vale where not yet all furnaces have been adjusted for fuel oil, the furnace is heated during the process of cleaning with through-atomizers at the back wall. (reproduction 1). The flame of the fuel oil enters the furnace under a right angle to the axis

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Steel Production in England.

of the burner. Through this lay-offs in the hot state are avoided. For this reason the burners are built into the back wall also at continuous oil heating. Slag wagon is provided with an electromotor.

Steel casting. Boiling steel is cast in ingot molds from above. Output of usable ingots is by 5-7 % higher and amounts to 90-95%. After the casting the ingot is covered from above with a lid and wetted with water.

Continuous steel casting. Existing in three plants and in the Steel Research Institute.

Application of oxygen. Generally oxygen is not used because of the danger of ignition of the Dinas vaults. At the Abbey Steel Co. of Wales oxygen is blown at certain steel smelts through the Dinas vaults of the SM furnaces of 210 tons. The gas flows through a vertical water-cooled tube against the flame; the tube is installed in such a way that it cannot be hit by slag spatters. The performance of the furnace was thereby increased by 10 %, without impairing the durability of the vaults.

Performance characteristics of the new SM furnaces: Shutdowns (hot and cold) on the average 12-13 % at the 200-210 t furnaces

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PA - 3062

Steel Production in England.

with Dinas vaults: without oxygen 11.5 hours melting duration with oxygen 11.0 hours. Tilttable SM furnaces of 360 tons at processing of phosphorous pig iron with active mixer 18 hours melting duration. Durability of the Dinas vaults lasts for weeks and amounts to 150-180 smelts. Durability of the mountings is considerably higher; at blow-through of the mountings during the cold repairs it reaches 1-2 years.
(2 drawings)

ASSOCIATION: Stalpojekt.

PRESENTED BY: -

SUBMITTED: -

AVAILABLE: Library of Congress.

CARD 7/7

MURAV'YEV, I., direktor-podpolkovnik puti i stroitel'stva; VESELYOV, V.,
inzh.-major puti i stroitel'stva

Machinery and mechanisms for track maintenance and repair.
Zhel. dor. transp. no.3:59-66 '47. (MIRA 13:2)
(Railroads--Track)

VESELKOV, V., inzhener

Snow loading and removal machine. Zhel.dor.transp. no.11:86-87 N'47.
(Railroads--Snow protection and removal) (MLRA 8:12)

VESELKOV, V., inzhener

Machinery and equipment for current track maintenance. Zhel.dor.
transp. no.10:82-85 0:47. (MIRA 8:12)
(Railroads--Equipment and supplies)

MAKARENKO, V.N., kand.tekhn.nauk; VESELKOV, V.A., inzh.

Using low-temperature tars in stabilizing soils in Tomsk Province.
(MIRA 13:6)

Avt. dor. 23 no.4:7 Ap '60.

(Tomsk Province--Roads, Tarred)

VAYNERMAN, A.Ye.; VESELKOV, V.D.; IONOV, V.P.; VASIL'YEVA, L.A.

Mechanisation of welding operations on building ways. Avtom.
svar. 18 no.8:58-59 Ag '65. (MIRA 18:11)

1. Submitted February 26, 1965.

L 26093-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWA(d)/EWP(l)/EWP(w)/EWP(r)/EWP(t) IJP(c)

ACC NR: AP6015041

(N) JD/HW/JG

SOURCE CODE: UK/0125/66/000/004/0054/0056

59

AUTHOR: Vaynerman, A. Ye. (Vyborg); Veselkov, V. D. (Vyborg)

B

ORG: none

TITLE: Automatic plasma torch deposition of stainless steels on perlitic steels

18

18

SOURCE: Avtomaticheskaya svarka, no. 4, 1966, 54-56

TOPIC TAGS: metal deposition, stainless steel, steel deposition, plasma torch deposition/06Kh19N9T steel, 02Kh19N9 steel, 09G2 steel

ABSTRACT: A method for automatic argon-plasma deposition of stainless steel on low-alloy steel has been developed at the Institute of Metallurgy in Baykov. The method uses an IMET-107 plasma torch with a lanthanum-modified-tungsten electrode 4-5 mm in diameter, and filler wire which functions as a conventional consumable electrode. With this method, 06Kh19N9T or 02Kh19N9 stainless steels from a filler wire 2 mm in diameter were deposited on 09G2 steel plate 12 mm thick with the plasma torch oscillated across its pass at a rate of 40 cycles/min and an amplitude of 20 mm. The deposition rate reached 7 kg/hr; the bead was 26-28 mm wide and 5.5-6.0 mm high. The deposited metal has an austenitic structure with a ferrite content of about 8%. Such composition increases resistance against intercrystalline corrosion and hot cracks. No penetration of deposited metal into the base metal was observed. Orig.

[AZ]

art. has: 5 figures and 2 tables.

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Card 1/1 UDC: 621.791.92:669.15-194:527.525

VESELKOV, Ye.N., starshiy elektromekhanik

Changes in the circuit of a noncontact converter. Avt., telem.
i svyaz' 5 no.1:23 Ja '61. (MIRA 14:3)

1. Rezeknenskaya distantziya signalizatsii i svyazi latviyskoy
dorogi.

(Railroads--Electric equipment)

FIATZER, Z. [Elacer, Z.]; VESELKOVA, A.; SLABOKHOVA, Z. [Slabochova, Z.]

Nature of the inhibition of fatty acid oxidation in the animal
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1. Institut pitaniya (dir. - prof. I.Mashek [Mashek, I.]), Praga,
Chekhoslavakiya.

PLACER, Z.; VESELKOVA, A.; PETRASEK, R.

Interaction of antioxidants in biochemical processes. Cesk. hyg.
10 no.3:260-264 My '65

1. Ustav pro vyzkum vyzyvy lidu, Praha. 2. Z. Placer's address:
Praha-Krc, Budejovicka 800.

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VESELKOVA, K.P., Cand Med Sci -- (diss) "Physical development and morbidity of children in ^{nurseries} ~~homes for infants~~ in the city of Moscow (1953 and 1956)." Mos, 1958, 11 pp (Order of Labor Red Banner Inst of Pediatrics of Acad Med Sci USSR) 200 copies (KL, 42-58, 118)

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VESELKOVA, K.P.

Physical development of children kept in day nurseries. *Pediatrics*
no.5:64-69 My '57. (MIRA 10:10)

1. Iz Instituta pediatrii AMN SSSR (dir. - chlen-korrespondent AMN
SSSR prof. O.D.Sokolova-Pononareva, rukovoditel' - deystvitel'nyy
cheln AMN SSSR prof. G.N.Speranskiy)
(CHILDREN--GROWTH) (DAY NURSERIES)

VESELKOVA, K.P.

Physical development of children in Moscow nurseries in 1958.
Vop. okh. mat. 1 det. 5 no. 2:82-84 Mr-Apr '60. (MIRA 13:10)

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doktor meditsinskikh nauk A.Ya. Gol'dfel'd) Instituta pediatrii
AMN SSSR (direktor - chlen-korrespondent AMN SSSR prof. O.D.
Sokolova-Ponomareva).

(MOSCOW—INFANTS—GROWTH)